

ABSTRACT OF THE DISCLOSURE

A high voltage pulse generating circuit comprises an inductor, a first semiconductor switch and a second semiconductor switch connected in series between both ends of a direct current power supply, and a diode wherein a cathode terminal is connected to one end of the inductor whose other end is connected to an anode terminal of the first semiconductor switch, and an anode terminal is connected to a gate terminal of the first semiconductor switch. The inductor has a first coil and a second coil. A diode is connected in parallel to the first semiconductor switch, and a capacitor is connected in parallel to the first coil of the inductor.